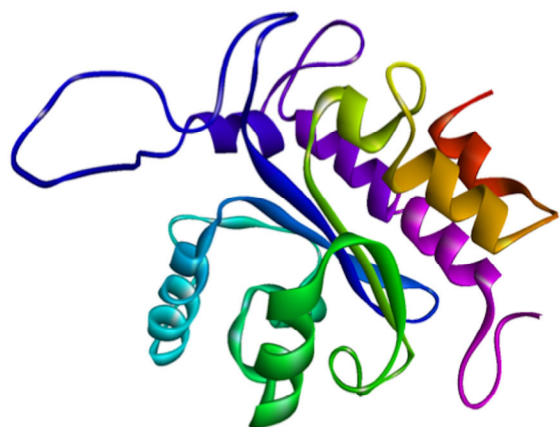
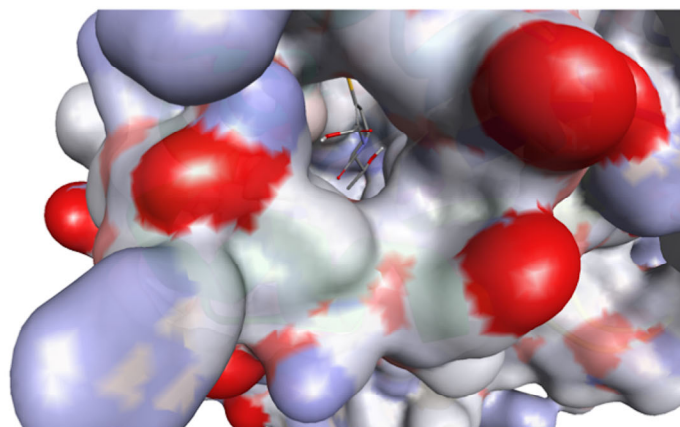


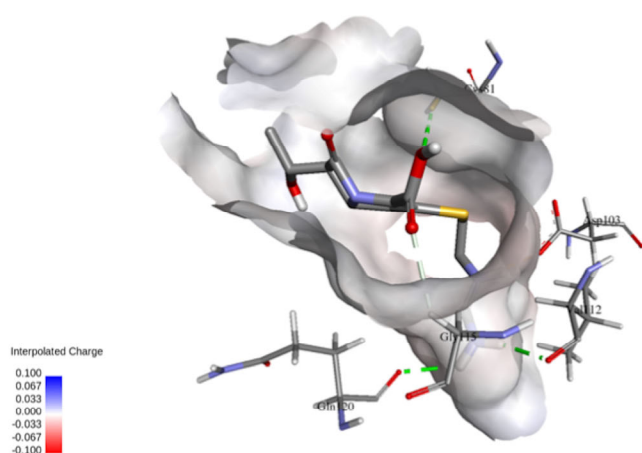
(A) Homology Model



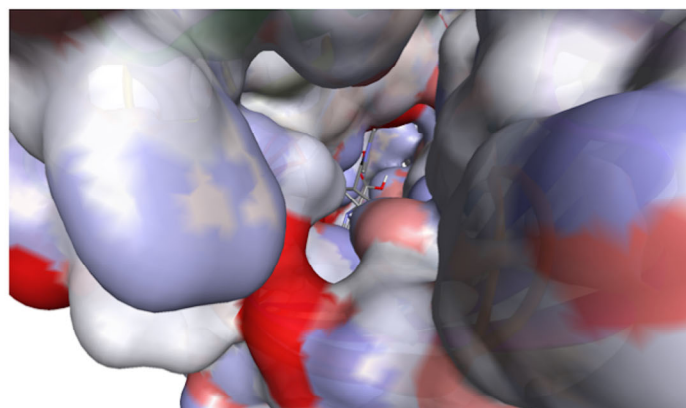
(B) Surface Model, Imipenem



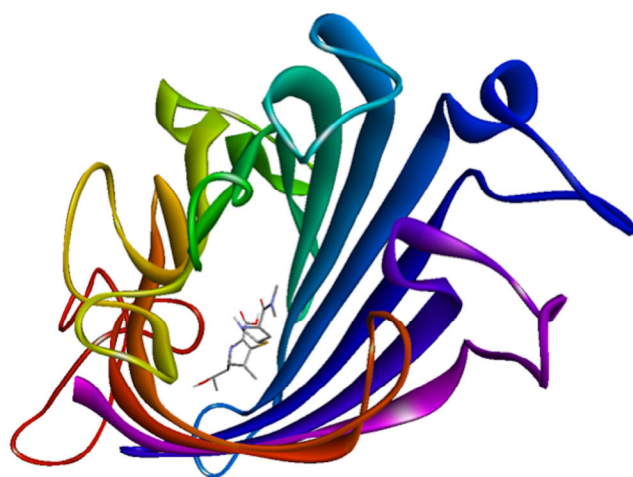
(C) Pocket Interaction, Imipenem



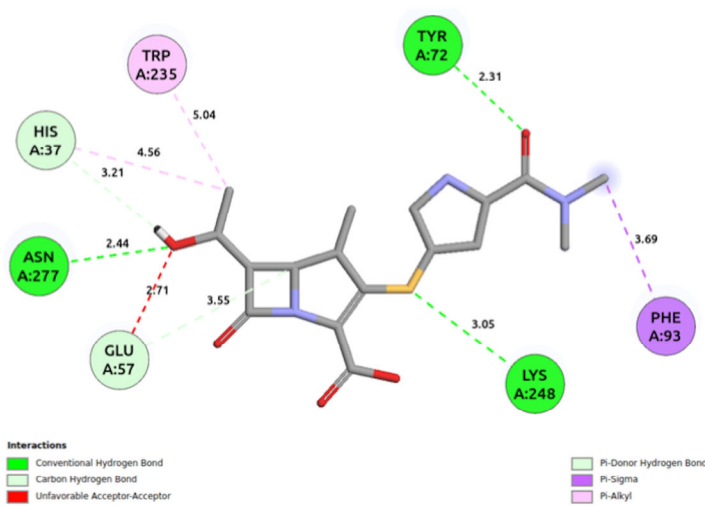
(D) Surface Model, Meropenem



(E) Receptor Ligand Model, Meropenem



(F) 2D Interaction Model, Meorpenem



Supplementary Figure 8. Homology modeling docking of novel AMR genes predicted for *P. aeruginosa* for antibiotics (Imipenem and Meropenem). **8a.** Homology model of receptor (WP_031628187.1). **8b.** Surface model for receptor (WP_031628187.1) and ligand (Imipenem). **8c.** Pocket interaction of Receptor (WP_031628187.1) and ligand (Imipenem) complex. **8d.** Surface model for receptor (WP_023097121.1) and ligand (Imipenem). **8e.** Receptor (WP_023097121.1) and ligand (Meropenem) complex. **8f.** 2D Interaction Model for receptor (WP_023097121.1) and ligand (Meropenem).